

METHOD FOR CHANGING FIBRE CHANNEL SPEED OF A DRIVE LOOP WITH
ESM-CONTROLLED DRIVE BOXES USING REDUNDANT DRIVE CHANNELS

ABSTRACT

5 The present invention discloses a system for adjusting the speed of operation of a
channel for communicating with disk drives in a multi ported system, comprising a
bridge controller having a first channel and a second channel and a plurality of enclosure
services modules, each having a first channel connected in sequence from a bridge
controller to a first enclosure services module and successively connected to successive
10 enclosure services modules to a last enclosure services module and each having a second
channel connected in reverse sequence from the bridge controller to the last enclosure
services module and successively connected to the successive enclosure services modules
to the first enclosure services module. In the disclosed method for changing the speed of
operation of a channel, a change speed is performed on either the first or second channel
15 and the other of the first and second channel is used to send change speed frames from
the bridge controller to each of the plurality of enclosure services modules.